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file:
Incendiary Gen'l

PROGRESS REPORT

FOR

AUGUST 1961

ON THE

TESTING OF RAILROAD TORPEDOES

RD 88, TASK ORDER 39

WORK ORDER 1

22 September 1961

CONFIDENTIAL

25X1

During August 1961, a lot of 500 special railroad torpedoes was received for test.

The units were found to be packaged in groups of five, each group in a chipboard box, the box enclosed in a heat-sealed scrim bag. Ten groups, each in a scrim bag, were contained in a fiberboard container and four of these containers in a wooden packing box.

Sample groups were unpacked in order to ascertain the physical condition of the torpedoes. Although no visible deterioration was noticed, a slight musty odor was associated with the internal cushioning material in the packages.

A drop test mechanism was set up for operational testing of four hundred and fifty torpedoes. This device consisted of a 25 pound weight having a hemispherical contact surface and arranged to drop from a height of 16 inches onto a section of rail. An electromagnet was used for controlling the fall of the weight.

FUTURE WEIGHT

Total Amount of Contract	$ 1,126.00
Expenditures for August 1961	104.36
Total Expenditures to 31 August 1961	104.36
Balance of Contract	1,021.64

When Western Cartridge Company conducted their drop tests they dropped a 10 pound weight through a distance of 30" and 36". (Final Report No 11 Railway Signal - Arthur D. Little).

A

$KE = M \times d$

$= 10 \times 30$

$= 300$ foot pounds

B

$KE = M \times d$

$= 10 \times 36$

$= 360$ foot pounds

C

$KE = M \times d$

$= 25 \times 16$

$= 400$ foot pounds